

13000 GeV pp

Z (Drell-Yan)

CMS, 13 TeV, $Z\gamma^* \rightarrow \ell\ell^+ \ell\ell^-$, $350 < m_{\ell\ell} < 1000$ GeV

■ CMS

—▲ Pythia 8.315 default

Ratio $\rightarrow$ Z peak region 10^{-1}
 10^{-2}
 10^{-3}
 10^{-4}

Rivet 4.1.0, 2.2M events

mcplots.cern.ch [arXiv:1306.3436]

(CMS_2022_I2079374)

Ratio to CMS

2
1
0.52
1
0.5 $p_{T}(\ell\ell)$ [GeV]

0

500

1000